

“Abbreviated” Draft Shasta River Dissolved Oxygen and Temperature TMDL Implementation Actions

Topic	Impairment	Responsible Parties	Actions
Roads	Temperature and Dissolved Oxygen	California Department of Transportation (Caltrans) Regional Water Board	<ul style="list-style-type: none"> Evaluate and modify if needed Caltrans statewide NPDES stormwater permit.
Vegetation	Temperature and Dissolved Oxygen	Parties Responsible for Vegetation that Shades Water Bodies Regional Water Board	<ul style="list-style-type: none"> Preserve and restore streamside vegetation providing shade to watercourses. Regional Water Board to develop mechanisms, e.g., Waste Discharge Requirements (general or specific) or waivers, for addressing shade-providing riparian vegetation.
Water Management	Temperature and Dissolved Oxygen	Water Rights Holders Irrigators Stakeholders Regional Water Board	<ul style="list-style-type: none"> Evaluate valley-wide tailwater use and reuse, and effects. Develop/implement management plan(s) for efficient and beneficial tailwater use and reuse. Encourage development and implement of water conservation practices that improve water quality. Assess nutrient and oxygen consuming waste discharges to Lake Shastina.
Bank Stabilization	Temperature and Dissolved Oxygen	Parties Responsible for Bank Stabilization Activities Regional Water Board	<ul style="list-style-type: none"> Encourage planting and restoration of flood control structures on/adjacent to stream banks Use existing authorities and regulatory tools (401 Water Quality Certification Program, etc.), to ensure proper bank stabilization and vegetation management.
Timber Harvest	Temperature	Private Parties Conducting Timber Harvest Activities Regional Water Board	<ul style="list-style-type: none"> Waste discharge requirements -general or specific, and waivers. Existing permitting and enforcement programs including Timber Harvest Plan review process (CDF). Timber harvest activities on private lands may be eligible for Categorical Waiver(s) of WDRs. Habitat Conservation Plan coordination.
		U.S. Forest Service (USFS) Bureau of Land Management (BLM) Regional Water Board	<ul style="list-style-type: none"> Continue cooperatively implementing the joint Management Agency Agreement (MAA) between SWRCB and the USFS (1981). Develop MOUs with USFS and BLM

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Grazing	Temperature and Dissolved Oxygen	Private Parties Conducting Grazing Activities U.S. Forest Service (USFS) Bureau of Land Management (BLM) Regional Water Board	<ul style="list-style-type: none"> • Encourage grazing activities that prevent, minimize, and control nutrient and other oxygen consuming waste discharges and elevated water temperatures. • Grazing, Riparian, and Water Management Plan on an as-needed, site-specific basis. Would describe sources, management practices, monitoring. • Implement Plans • Develop MOUs with USFS and BLM.
Technical Support and Outreach	Temperature and Dissolved Oxygen	Shasta Valley Resource Conservation District (Shasta Valley RCD) Regional Water Board	<ul style="list-style-type: none"> • Increase cooperation with the Shasta Valley RCD to provide technical support, education, and outreach. • Encourage enrollment in the Shasta Valley-wide Incidental Take Permit program for Coho salmon. • Assist in grant procurement process.
		Shasta Valley Coordinated Resource Management and Planning Committee (Shasta Valley CRMP) Regional Water Board	<ul style="list-style-type: none"> • Encourage the Shasta Valley CRMP to: <ol style="list-style-type: none"> 1. Implement actions in the Shasta Restoration Plan. 2. Assist appropriate stakeholders to develop/implement management practices to prevent/control waste discharges contributing to depressed dissolved oxygen and water temperature impairments. • Assist in grant procurement process.
Technical Support and Outreach	Temperature and Dissolved Oxygen	Natural Resources Conservation Service (NRCS) UC Cooperative Extension (UCCE) Regional Water Board	<ul style="list-style-type: none"> • Work cooperatively with the NRCS and UCCE on technical support, information, educational and outreach efforts. • Assist in grant procurement process.

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Coho Recovery	Temperature and Dissolved Oxygen	CA Department of Fish & Game (CDFG) Regional Water Board	<ul style="list-style-type: none"> Encourage and aid, where appropriate, the CDFG to implement Coho Recovery Strategy (CDFG 2004).
Urban Areas	Dissolved Oxygen	City of Yreka	<ul style="list-style-type: none"> Ensure compliance with Regional Water Board Order No. 96-69, CAO No. R1-2004-0037, and Monitoring and Reporting Program No. R1-2003-0047 associated with the City’s wastewater treatment and disposal facility.
		City of Yreka, City of Weed, Lake Shastina and other Urban Developments	<ul style="list-style-type: none"> Cooperate with stakeholders to identify type, source, and volumes of polluted runoff from existing developments. Develop appropriate actions if needed.
Impoundments	Temperature and Dissolved Oxygen	Irrigation Districts Private landowners / diverters Regional Water Board	<ul style="list-style-type: none"> Encourage removal or re-engineering of minor impoundments. Assist in grant procurement process. Regional Water Board staff still evaluating implementation options for Dwinnell Dam/Lake Shastina.